

TRANSPORTATION AND NATURAL RESOURCES
STEVEN M. MANILLA, P.E., COUNTY EXECUTIVE



411 West 13th Street
Executive Office Building
PO Box 1748
Austin, Texas 78767
(512) 854-9383
FAX (512) 854-4697

November 8, 2012

Ms. Rebecca Villalba, Team Leader
Texas Commission on Environmental Quality
Storm Water and Pretreatment Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087

Ms. Carolyn Runyon, Water Program Manager
Region 11 Office
Texas Commission on Environmental Quality
2800 South IH 35, Suite 100
Austin, Texas 78704-5700

Re: Phase II MS4 Annual Report Transmittal for Travis County MS4
TPDES Permit Number TXR040327

Dear Ms. Villalba:

This letter serves to transmit the Year 5 Annual Report for the Texas Pollutant Discharge Elimination System (TPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit, Authorization Number TXR040327 for the Travis County MS4. This is the final year of the first permit term and thus completes the first five-year SWMP plan.

In addition to the Travis County Transportation & Natural Resources Department (TNR), other Travis County departments performing key SWMP activities include: the Travis County Attorney's Office Environmental Crimes Unit, the Austin/Travis County Health and Human Services Department (ATCHHSD) Environmental and Consumer Health Unit, the Texas AgriLife Extension Office in Travis County, the Travis County Sheriff's Office Environmental Crimes Unit, and the Travis County Department of Emergency Services.

A separate Notice of Change (NOC) will be submitted for one revision proposed for Year 5. As required by the general permit, a copy of this submittal is also being given to the TCEQ's regional office in Austin, Texas.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven M. Manilla", is written over the "Sincerely," text.

Steven M. Manilla, P.E., County Executive
Transportation & Natural Resources Department

Enclosure – SWMP Year 5 Annual Report

Storm Water Management Program (SWMP) Annual Report Year 5
Travis County, Transportation & Natural Resources Department

A. General information

1. Permit No. TXR040327
2. Annual Reporting Period: August 13, 2011 through August 12, 2012
3. Name of MS4 Permittee: Travis County
4. SWMP Contact/Phone: Dave Fowler, 512-854-7590
5. Mailing Address: Travis County TNR, P.O. Box 1748, Austin, Tx., 78749
6. Email: dave.fowler@co.travis.tx.us
7. The Travis County MS4 is currently relying on the following other government entities to satisfy some permit obligations:
 - a. The City of Austin performs construction and post-construction review and inspection requirements (MCMs 4 and 5) in the Austin 5-mile Extra-Territorial Jurisdiction (ETJ) for subdivision construction under an existing jointly-adopted County Code Chapter 30 and One-Stop Shop Permit Center. Austin also performs these activities on non-subdivision construction sites in their ETJ as part of their TPDES Phase I storm water program. The City performs limited IDDE spill response in the ETJ and inspection of all commercial post-construction BMPs and most residential BMP post-construction BMPs in their ETJ. An Interlocal Agreement (ILA) approved in 2011 between Travis County and City of Austin for comprehensive SWMP coordination describes joint roles and responsibilities in the ETJ.
 - b. The Lower Colorado River Authority (LCRA) performs joint construction and post-construction plan review requirements (MCM 4 and 5) with Travis County in the Highland Lakes Watershed Ordinance area in western Travis County under a 2010 Interlocal Agreement between the County and LCRA. Travis County performs the construction inspection component in this area and LCRA is responsible for the post-construction BMP inspections.
 - c. The TCEQ Edwards Aquifer Program performs construction and post-construction review and inspection requirements (MCM 4 and 5) on construction projects in the Barton Springs Segment of the Edwards Aquifer Recharge Zone and Edwards Aquifer Northern Segment. This program also performs these requirements on construction sites 5 acres and greater in the Barton Springs Edwards Aquifer Contributing Zone.
8. A copy of this annual report has been submitted to the TCEQ Regional Office.

B. SWMP Modifications and Additional Information

1. Changes to the approved SWMP in Permit Year 5

- a. Changes to BMPs, measureable goals, dates, contacts, procedures or details are as follows, please refer to the Tables and separate NOC for additional information.

Changes to BMP measurable goals, dates, contacts, procedures, details in Year 5					
MCM /Table	BMP	Major Task	Measureable Goal	Due Date	Changes
1	Science Education Outreach	Revise task language to the following: Educational presentations to adult audiences on water-related topics/issues.	Number of education sessions and contact hours performed annually.	Year 5	Revise BMP name to: Water Conservation and Quality Programs Revise Major Task language and target audience

- b. BMP additions or substitutions, with explanation.

No BMP additions or substitutions were proposed or made during Permit Year 5

- c. A Notice of Change (NOC#4) will be submitted to TCEQ for these proposed changes as required.
2. The MS4 has not annexed any lands since obtaining permit coverage. 2, 652.46 acres were removed from the County MS4 through annexation into various municipal city limits during the Permit Year 5.
 3. No receiving water body is newly listed as impaired on the EPA-approved 303(d) List and no EPA-approved TMDLs have been established during Permit Year 5.
 4. The MS4 has not conducted any analytical monitoring of storm water quality.

C. Narrative Provisions

1. Compliance with Permit Conditions

- a. Travis County is currently in compliance with the SWMP as submitted and approved by TCEQ, including the proposed changes submitted and described herein.
- b. Travis County is currently in compliance with record keeping and reporting requirements for the SWMP. Each section performing BMPs maintains records and the SWMP core staff maintains comprehensive SWMP information.
- c. Travis County meets the eligibility requirements of the permit for TMDL requirements, Edwards Aquifer limitations, compliance history, etc.

2. General assessment of the appropriateness of the selected BMPs:

The County believes all the BMPs selected in the SWMP are appropriate for achieving the statutory goal of reducing the discharge of pollutants to the Maximum Extent Practicable (MEP) over the Permit Term. In particular, the adoption of County Code

requirements for construction site and permanent water quality BMPs on August 14, 2012, including the technical Manuals of LCRA and the City of Austin, will significantly increase the effectiveness of these BMPs in the Travis County MS4.

3. Progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summary of information used to evaluate reductions in the discharge of pollutants:

The County made satisfactory progress towards the goal of reducing the discharge of pollutants to the maximum extent practicable (MEP) during the Permit Year. The County evaluates progress towards this goal primarily by the successful performance of the BMPs and measurable goals listed in the SWMP. The County fully completed all but one of the BMP measurable goals for Year 5, but believes this BMP has still achieved satisfactory progress for this Permit Term as described below:

- a. Erosion and Sediment Control (ESC) Program for Maintenance Construction (MCM 6): 386 out of 474 total Work Orders (WOs) performed in Year 5 by the TNR Drainage, Road Reconstruction, and Level-up programs met the criteria for permanent ESC use and 104 for temporary ESC use. 59% of the WOs documented compliance with permanent ESC and 26% with temporary ESC, less than the 100% proposed. However, due to the minor scope of most the WOs, significant progress made during the permit term in the use of these BMPs, further improvements needed in the WO documentation systems, and likelihood that ESC may not have been necessary for all of the WOs considered, The County believes the BMP has achieved adequate compliance in the first Permit Term. The County will consider further revisions in the criteria, reporting, and documentation systems for this BMP in the second permit term SWMP that will further improve this BMP.

4. General evaluation of the program's progress, including obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.

The County made acceptable progress implementing the SWMP during the Permit Year. Key milestones were reached with the successful completion of the first five-year SWMP, including adoption of comprehensive water quality regulations for construction runoff and post-construction storm water management (for MCMs 4 and 5) in Chapters 64 and 82 of the Travis County Code. In addition, a new Chapter 104 of the County Code was adopted for illicit discharge detection and elimination (MCM 3). The formal adoption date by the Commissioners Court was August 14, 2012, but the Codes were fully completed prior to the end of the permit term after a lengthy public input process.

Obstacles and challenges include:

- Implementation of inter-local agreements (ILAs) with other governmental authorities in the MS4 significantly enhances successful performance of the SWMP but requires voluntary mutual agreement and coordination with other autonomous government agencies. The County has approved ILAs with the City of Austin ETJ and the LCRA, and will continue the goal of executing ILAs with select smaller municipal ETJs and Special Districts (MUDs and other Small MS4s) where mutually agreeable and feasible. An ILA with the City of Pflugerville was almost completed during the permit term and the ILA was subsequently executed after Permit Year 5 ended on September 11th, 2012.

- Training and overseeing existing non-SWMP program staff to adequately perform SWMP tasks is time consuming and challenging for the core SWMP staff and the organization's personnel resources and budgets. This includes continuing development of comprehensive written technical standards, staff procedures, and tracking systems to most effectively perform and document the SWMP tasks.

5. Construction activities that occurred within the Travis County MS4 during the Permit Year 5, via NOIs and CSNs provided by Construction Site Operators. These are activities by operators other than Travis County.

Travis County Development Permits issued for MS4 construction activities – Permit Year 5 (Includes Austin 5-mile ETJ and Non-Austin ETJ areas)			
Type of Permit	Total Permits	Total 1 acre or greater	NOI/CSN received
Residential, miscellaneous	117	59	100%
Residential, in a subdivision (part of common plan of development)	1707	0	100%
Non-Residential, Site Development	214	110	100%
Non-Residential, Subdivision	8	8	100%
Totals	2046	177	100%+

The Table above shows the development permits issued in Permit Year 5 for construction activities within the MS4. Please see related report information in Tables 4 and 5, Pages 11-12.

6. Travis County utilizes the 7th MCM for its' municipal construction activities. Please see MCM Table 7 on Page 14 for a comprehensive summary of County construction activities.

- a. The number of municipal construction activities authorized under this general permit: 5
- b. The total number of acres disturbed for these municipal construction projects: 15

7. Requirements for specific Minimum Control Measures (MCMs):

- b. MCM 1 – Public Education and Outreach. Documentation of activities conducted and materials used to fulfill the requirements in Permit Year 4 are attached at the end of this Report and include:
 - TCTV Water Quality Programming Summary Descriptions, Year 5
 - TCTV Water Quality Programming Broadcasts, Monthly Breakdown, Year 5
 - Watershed Sign Installation Locations and Quantities, Year 5

Also, the SWMP Web Site can be viewed at:

http://www.co.travis.tx.us/tnr/stormwater_management_program/default.asp

Additional Public Education documentation used in Year 5 which was previously provided in the Year 2 and 3 Annual Reports includes: Grow Green Fact Sheet, watershed sign format, driveway permit brochure, construction outreach brochure, OSSF outreach brochure, storm drain inlet marker, and industrial site outreach materials.

b. MCM 1 – Public Education and Outreach. Documentation of the amount of BMP resources used to address each required group - residents, visitors, public service employees, businesses, commercial/industrial facilities, construction site personnel, are as follows:

BMP Resources	Groups addressed
Grow Green Program	residents, businesses, commercial facilities
OSSF Outreach	residents, businesses, commercial/industrial facilities
Science Education Outreach	residents - adults
Watershed Signs	all groups
Construction Outreach	County development permit applicants, construction site personnel and Trade Associations
TCTV	all groups
SWMP Web Site	all groups
Storm Drain Inlet markers	residents

c. MCM 3 – Illicit Discharge Detection and Elimination (IDDE). Travis County formally adopted a revised list of allowable non-storm water discharges which are included in the new Chapter 104 of the Travis County Code, entitled Prohibited Discharges; Enforcement.

8. Proposed changes to the SWMP in the coming reporting year.

The proposed changes to BMPs in Permit Year 5 are summarized in the Table in Section B.1.a.

9. Describe any activities planned for the next permit year/reporting cycle.

With the completion of the first 5-year SWMP plan and first permit term, and the delay of the second MS4 General Permit final approval until 2013, the County will continue to perform the storm water activities listed for Permit Year 5 in the SWMP Tables on Pages 7-14, until an anticipated replacement Small MS4 General Permit is issued by TCEQ. Then, in consideration of the new requirements, a new SWMP 5-year plan for the second permit term will be submitted to TCEQ, including the changes described in Sections B.1. and C. 8. herein, which will also be submitted in a separate Notice of Change (NOC).

D. Storm Water Management Program Status – BMPs and Measurable Goals

The following Tables 1-7 on Pages 7-14 contain the Minimum Control Measures, Best Management Practices, Major Tasks, Measurable Goals, and Due Dates from the approved SWMP document. The Year 5 BMP Measurable Goal results and status have been added in bold and shaded in these Tables.

Proposed changes described above are included and summarized in these Tables.

Miscellaneous BMPs and tasks performed during the Permit Year which were not listed as scheduled tasks in the approved SWMP are listed at the bottom of each MCM Table as Unscheduled Activities.

Table 1 MCM 1 - Public Education and Outreach BMPs Year 5 results shaded in bold				
BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
Existing BMPs				
Grow Green Program	Continue educational program support of City of Austin Grow Green Program.	Total number of educational programs and publications distributed annually. Total educational program events - 2 Total fact sheets distributed - 27,000	Years 1-5	Texas A&M AgriLife Extension Office in Travis County
OSSF Outreach	Perform training sessions for OSSF operators and respond to public inquiries for OSSF	Total number of training sessions conducted, inquiries responded to annually. Training sessions- 1 Inquiries response - 589	Years 1-5	TNR (Stacey Scheffel)
	Develop OSSF Brochure for distribution at TNR Permit Center	Complete Activity OSSF Brochure completed, Year 3	Year 3	
	Distribute OSSF Brochures	Brochures distributed annually - 506	Year 5	
Science Education Outreach	Continue 4-H summer outreach efforts which include a water quality component for grade school age students in Del Valle, P'ville and Manor areas	Total number of education sessions and service hours performed annually. Change BMP name and target audience to adult education in Year 5 through NOC #4: Total educational program sessions - 57 Total contact hours - 3,889 Total program contacts - 2,013	Years 1-5	Texas A&M AgriLife Extension Office in Travis County
New BMPs				
Watershed Signs	Develop a location plan for watershed signs and select 15 locations for sign placement	Complete Activity Completed Year 1	Years 1-2	TNR (David Kemp)
	Adopt standard watershed sign format.	Complete Activity Completed Year 2	Years 1-2	
	Produce signs in County Sign Shop, install, and maintain	Install 5 sign locations by Year 3, 10 by Year 4, 15 by Year 5 - 5 locations with 9 signs installed	Year 3-5	
Construction Outreach	Receive input from stakeholder groups about types of materials, topics, of most benefit to them for consideration in selecting materials	Complete Activity Activity completed Year 3 - Four primary local trade groups contacted for opportunity for Surveys received: 10	Year 3	TNR (Dave Fowler, Stacey Scheffel)
	Select materials, develop brochures for erosion and sediment control and driveway permits	Complete Activity Driveway Brochure completed Year 2 ESC Brochure completed Year 3	Year 3	
	Provide brochures and staff guidance to development permit applicants in TNR Permit Center	Record totals annually - Brochures distributed: Driveway Brochures: 749 ESC Brochures: 150 Brochures distributed from kiosk: 125 Permit counter inquiries responded to: 518	Years 3-5	
Travis County TV (TCTV)	Review and select materials and develop a broadcast program plan and schedule.	Complete Activity Completed Year 2	Years 1-2	ITS Media Services Program (Al Jackson)
	Broadcast TCTV Program Plan a minimum of 2 hours per month.	Record totals weekly, monthly, annually - hours and number of broadcasts, with general description of topics. 28 programs; 10,144 broadcasts; 631:59 hours	Years 3-5	TNR (Amanda Celo)
SWMP Web Site	Develop an SWMP Web Site Plan including a list of topics and maintenance schedule.	Complete Activity Completed Year 2	Years 1-2	ITS (Susan Verhoef)
	Design and publish the website to the internet as part of the existing Travis County website	Complete Activity Completed Year 3 - Web Site published	Year 3	TNR (Amanda Celo)
	Maintain and update web site, including posting new information and topics in accordance with the maintenance schedule.	Record totals annually - number of web site sign in and/or hits using log or hit counter. Web site views - 2,672	Years 3-5	

Table 2				
MCM 2 – Public Involvement and Participation BMPs Year 5 results shaded in bold				
BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
Existing BMPs				
Community Storm Water Initiatives	Continue participation in any ongoing efforts by the Regional Water Quality Protection Plan (RWQPP), LCRA Lake Travis Stakeholders, SW Growth Dialogue.	Record totals annually – meetings attended and activities participated in, milestones achieved RWQPP – 6 meetings, including the Kent Butler Memorial Summit at the LBJ Wildflower Center	Years 1-5	TNR (Jon White, Dave Fowler, Tom Weber)
	Continue participation in the Onion Creek, Walnut Creek, and Highland Lakes Flood Damage Evaluation Projects (FDEPs), Colorado River Floodplain Coalition (CRFC), the TMDL Implementation Task Force for Gilleland Creek.	Record totals annually – meetings attended activities participated in, milestones achieved Gilleland TMDL – 2 meetings	Years 1-5	TNR (S Scheffel, Tom Weber)
		Onion Ck FDEP – 3 meetings, Study/Report complete; now in design	Years 1-5	TNR (Stacey Scheffel)
		Walnut Ck FDEP – 0 meetings, Study complete Highland Lakes FDEP – 2 meetings CRFC – 5 meetings		
	Complete the T. County Drainage Basin Study and give County residents in flood prone areas the opportunity for input.	Complete Final Report. Total public participation meetings/total public inquiries. Completed Year 2	Years 1-2	TNR (Steve Schiewe)
Open Space Acquisition	Continue to provide opportunities for landowner participation in buyout of floodplain land by the county	Record total annually – floodplain acres purchased, costs Acres- 0 Costs - 0	Years 1-5	TNR (S Scheffel, M Mallia)
Compiled by Donna Williams-Jones, TNR Financial Services	Continue to provide opportunities for landowner participation in Balcones Canyonlands Preserve (BCP). Continue purchase of required acreage for BCP	Record total annually – acres purchased by private participants, costs; acres purchased for the BCP by the county, costs Acres- 446.229 Costs- \$12,808,269 (County)	Years 1-5	TNR (Rose Farmer)
	Continue to provide opportunities for parkland and open space acquisition by County via voter bonds or other means.	Record total annually – acres purchased, costs Parkland Acres- 1,431.532 Costs- \$25, 508, 406	Years 1-5	TNR (Charles Bergh)
Household Hazardous Waste Collection	Continue financial participation to support the City of Austin Household Hazardous Waste Collection Program.	Record totals annually - County financial contribution and County residents participating County Contribution- \$120,100 Participants-1,876	Years 1-5	TNR (Shaun Auckland)
Adopt-a-Road and Volunteer Projects	Continue assistance to volunteer groups in county roadside cleanup, including signs, trash bags and trash pickup	Record total annually – clean up events, signs installed, bags/ amounts of trash disposed of Volunteer participation projects- 1: Lake Travis underwater cleanup 9/11/11/1, 898 participants/1.6 tons of trash cleaned up	Years 1-5	TNR (various)
Parks and BCP Participation Projects	Continue opportunities for volunteers to participate in Parks and BCP clean-up, restoration, tree planting, etc	Record total annually – events and type, quantities of trees planted, trash disposed of, etc. American Youth Works (AYW) restoration and clean up work in County BCP and Parkland – 75 crew days/ \$78, 750.00 total salaries	Years 1-5	TNR (Rose Farmer-BCP, Dan Chapman-Parks)
New BMPs				
Public Notice for SWMP activities	Comply with all public notice legal requirements for SWMP implementation.	Record totals annually – Commissioners Court Agenda items, newspaper or internet notices posted. Agenda Items – 5, for Ch 82 Water Quality Code	Years 1-5	TNR (Dave Fowler)
Codes and Standards Development	Provide opportunity for County stakeholders to participate in Code and technical standards revisions for SWMP	Record and document number of meetings and comments received, annually. Ch 82 WQ Code: Stakeholder Meetings - 6 Stakeholder Participants, email list - 144	Years 1-5	TNR (Tom Weber, Dave Fowler)
Storm Drain Inlet Marking	Provide opportunity for volunteer groups to initiate participation projects to install storm drain inlet marker, with County assistance (materials, technical guidance) as resources allow.	Record totals annually – projects and inlet markers installed. Inlet Markers Installed – 0	Years 1-5	TNR (COA Watershed Protection; David Kemp)

Unscheduled Activities for MCM 2 performed during the Permit Year:

- \$30,000 contributed to the City of Austin Keep Austin Beautiful organization for environmental education and clean-up efforts
- 13 additional Commissioners Court SWMP-related Agenda Items, including: Water Availability/Groundwater Code -4; Land Conservation Guidelines and Resolution -5; Colorado River Corridor Plan -4

Table 3A
MCM 3 – Illicit Discharge Detection and Elimination (IDDE) BMPs - Existing BMPs
Year 5 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
On-Site Sewage Facility (OSSF) Permit Program	Review, permit, and inspect new and upgraded OSSF systems in the county MS4.	Record totals annually – Permit applications reviewed, permitted, inspected, issued final approval. OSSF Permits reviewed/given final approval- 532/506 OSSF Permit total inspections – 1,518	Years 1-5	TNR (Stacey Scheffel)
	Monitor aerobic and commercial OSSF systems requiring maintenance contracts and maintenance reports provided to the County	Record totals annually – Total OSSF system maintenance contracts, including commercial systems, monitored annually Total OSSF maintenance contracts monitored– 3,784, including 87 commercial systems	Years 2-5	
	Receive, investigate, and resolve complaints of improper operation and maintenance of OSSF systems, maintenance contracts, or sewage discharge.	Record totals annually – complaints investigated, resolved, or referred to enforcement Total sites investigated-178 Resolved without NOV –119 NOVs issued - 59 Referred to legal enforcement (County Atny)– 16	Years 1-5	
Travis County Dumping Committee (TCDC)	Continue to participate in monthly TCDC meetings, activities, and provide meeting facilities for the Committee.	Record totals annually - meetings held and participated in. Meetings held/participated- 11	Years 1-5	TNR (Mickey Roberts) County Attorney
Regional Environmental Task Force (RETF)	Continue participation in RETF quarterly meetings and training efforts.	Record totals annually - meetings and training sessions participated in. Meetings – 4 Training sessions held- 4	Years 1-5	TNR (Mickey Roberts) County Attorney
Roadside Litter Abatement	Continue existing program to remove litter from county roadsides and properly dispose at landfills.	Record totals annually – miles of roadsides cleaned; work orders; cubic yards waste disposed Roadside Miles- 1,890.50 Work Orders- 906 CY Waste- 2,948.44 (1,436,030 lbs)	Years 1-5	TNR (Road Maintenance)
Auto Salvage Yard Ordinance Program	Review Code Ch 49 standards and revise to meet IDDE requirements as necessary.	Complete activity. Review completed Year 2. Code determined adequate to implement IDDE Program.	Years 1-2	ATCHHSD TNR
	Continue program to inspect and respond to complaints for auto salvage yards, junkyards, and metal recyclers	Record totals annually - inspections/ compliant within 30 days/ referred for enforcement Inspections- 3 (complaint response) Compliant/Referred-3	Years 1-5	ATCHHSD (Gwen Meighan)
Spill Response	Review, revise existing procedures and agreements for spill response as necessary	Complete Activity. Review and revisions completed Year 2	Years 1-2	TNR (Shaun Auckland)
	Continue to respond to haz-mat spills and dumping per adopted procedures and agreements	Record totals annually - spills or dumping responded to/remediated; in right-of-way (ROW) or private lands; referred for enforcement ROW Haz-Mat Illegal Dumping Responses- 14; \$3,700.06 contracted clean-up costs Adopted new County spill response procedures - 8/4/11	Years 1-5	Emergency Services County Attorney
Nuisance Abatement Program	Continue program to inspect and respond to complaints for rubbish, litter, and junked vehicles in the County MS4 under County Code Chapter 61.	Record totals annually - inspections/ compliant within 30 days/ referred for enforcement Total Inspections-656 Compliant-618 Referred-38	Years 1-5	ATCHHSD (Gwen Meighan)

Unscheduled Activities for MCM 3 during the Permit Year:

Table 3B MCM 3 – Illicit Discharge Detection and Elimination (IDDE) BMPs - New BMPs				
Year 5 results shaded in bold				
BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
IDDE Program	Adopt regulations and/or regulatory mechanisms for IDDE program; Revise Code Enforcement Policy and Procedures as necessary for IDDE efforts	Complete Activity Completed adopting regulatory mechanisms and revising enforcement policy and procedures for IDDE program -Year 2	Year 1-2	TNR (Jonas Rosenthal) County Attorney
	Develop and implement an IDDE response plan identifying the primary first response jurisdiction and contacts for MS4 areas	Complete Activity Completed IDDE response plan by revising existing protocols - Year 2	Year 1-2	TNR (Jonas Rosenthal)
	Review/revise existing county IDDE contact points as necessary and designate lead staff for IDDE complaint response	Complete Activity Completed revising IDDE contacts points and response protocols between TNR Env. Investigator, C. Attorney and TCSO Env Crimes Units, ATCHHSD, and TNR OSSF - Year 2	Year 1-2	TNR (Jonas Rosenthal) Travis County Sheriff's Office (TCSO) County Attorney
	Investigate/inspect and resolve illicit discharge complaints	Record totals annually -Complaints received, investigated, referred to others, resolved, enforced	Years 2-5	All
		Illegal Dumping Enforcement (Yr5 totals were unavailable at Report deadline)	Years 2-5	TCSO Env. Crimes Unit
		Illegal Dumping Enforcement Total Sites Investigated/cleaned up– 562/79; Waste removed – 571, 858 lbs	Years 2-5	County Attorney Env. Crimes Unit (Dennis Rudder, Doug MacDougall)
		Non-criminal IDDE response Complaints received/investigate 48/48 Referred-19 Resolved- 43 Legal Enforce- 0	Years 2-5	TNR (Jonas Rosenthal)
		Miscellaneous Illicit Discharges investigated/ total inspections – 3/3		SWMP staff
Industrial Site Monitoring and Outreach	Maintain inventory, conduct on-site evaluations, and provide technical assistance of industrial sites. Minimum effort shall include the mailing of outreach materials to known industrial operations in Years 3 and 4, 50 site evaluations in Year 3 and 75 evaluations in each of Years 4 and 5. Outreach material mailings will also be reported in Public Education MCM.	Complete inventory Completed basic inventory of permitted TCEQ Industrial Sites. Selected Outreach Materials and began distribution – Year 2.	Years 1-2	TNR (Jonas Rosenthal)
		Maintain inventory and perform outreach on 30% of sites by Year 3, 60% by year 4, 100% by Year 5. Posted industrial storm water guide on SWMP web site Industrial site inspections – 102, including 18 follow-up inspections, 3 complaints	Years 3-5	
	Review new and redeveloping Industrial Sites through TNR Development Permit Center to ensure compliance with applicable industrial storm water regulations.	Record totals annually - new or redeveloping industrial sites reviewed and issued county development permits. New Industrial Sites reviewed/permitted through TNR Dev Permit process – 4/1	Years 2-5	TNR (Dave Fowler, Jonas Rosenthal, David Peyton, Tom Weber)
	Develop/ implement system to respond to industrial site complaints, including direct response or referral to TCEQ or other.	Record totals annually - complaints received, investigated, referred, resolved Ind. Site Complaints received/invest. - 19/19 Referred-7 Resolved- 19 Legal Enforce- 0	Years 2-5	TNR (Jonas Rosenthal)
		Miscellaneous Indus. sites/total inspections – 6/7		SWMP staff
MS4 Map	Develop base MS4 GIS map.	Complete activity. Completed Year 1.	Year 1	TNR
	Develop and implement system to maintain and update MS4 Map for municipal annexations, development permits, county construction activities, etc.	Complete activity. Update and maintain map. Record total acres removed from county MS4 through annexation annually. Completed Year 1.	Years 1-2	(Amanda Celo, David Kemp, David Peyton, Arester Randle)
	Perform Outfall Reconnaissance Inventory (ORI) inspections to document structures, BMPs, and outfalls and complete MS4 Map.	Record totals annually - structures and outfalls added to MS4 Map. Complete 25% by Year 2, 50% Year 3, 75% Year 4, 100% Year 5. Total Structures added/verified -3,595 Outfalls added (included in above total) – 456 Total MS4 drainage structures – 14,862*, % MS4 structures estimated mapped- 100%	Years 1-5	

*14,862: Bridges- 212, C. Pipes- 704, Culverts- 3281, Inlets- 6811, Outfalls- 1198, Outlets- 318, Channels- 592, Ponds- 402, Manholes- 1344

Unscheduled Activities for MCM 3 during the Permit Year: County IDDE Code Ch.104 adoption on 8.14.12.

Table 4				
MCM 4 – Construction Site Storm Water Runoff Control BMPs Year 5 results shaded in bold				
BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
Existing BMPs				
Development Complaint Hotline	Review existing points of contact, procedures, response criteria, public advertising and revise as necessary	Complete activity. Completed Year 1.	Year 1	TNR Dev. Services
	Continue operation of phone hotline (for construction-related storm water complaints on County development permits).	Record number of inquiries received/responded to/referred to enforcement Inquiries-279 Resolved/referred- 259/131	Years 1-5	NREQ SWMP
New BMPs				
SWP3 Regulations	Finalizing interim water quality rules for Non-ETJs areas, including adoption of SWP3 regulations for subdivision and non-subdivision construction.	Complete activity Completed in Year 5, with final Commissioners Court vote approval on August 14, 2012.	Year 4	TNR Dev. Services
	Revise 1990 Interlocal Agreement with LCRA for Non-ETJ areas subject to the Highland Lakes Watershed Ordinance, incl. SWP3 requirements for subdivision and non-subdivision construction.	Complete activity. Activity completed.	Year 3	NREQ SWMP
	Implement Interlocal Agreements or other mechanisms with SWP3 requirements for subdivision and non-subdivision construction, for municipal ETJs with largest populations.	Complete activity NOC revised completion to Year 4 – activity completed Year 4	Years 1-3	Dave Fowler, Tom Weber
	Implement Inter-local Agreements (ILAs) or other mechanisms with SWP3 and Post-Construction requirements for subdivision and non-subdivision construction, for select municipal ETJs, based upon need or to improve efficiency.	Record number of Inter-local Agreements (ILAs) executed each year and the parties to each agreement.	Years 3-5	
Permit Application and Plan Review	Develop and implement a Development Permit Checklist review system for 100% of permit applications which includes SWP3 regulations requirements.	Complete and implement Checklist. Checklist implemented May 2009	Year 2 5.1.09	TNR
		Require Checklist -100% of permit applications. Total Applications/Total reviewed w/Checklist • Non-Residential – 222 (100%) • Residential-1,824 (100%)	Year 3	Dev. Services review
		Document Storm Water Notice compliance on 25% of eligible permit applications by (end of) Yr 2, 50% by Yr 3, 75% Yr 4, 100%Yr 5. Eligible Permits Documented Year 4 -100%	Years 2-5	NREQ SWMP
	Develop and implement a plan review system for SWP3 requirements for all projects. Review 95% of all projects 5 ac or greater by Year 3; 95% of all 3 ac or greater by Year 4; 95% of all non-single family residential projects (SFR) and SFR over 1 ac by Year 5.	Record number of projects reviewed, permitted annually. 108 permit applications reviewed by SWMP staff (including 31 in Austin ETJ) for SWP3/ESC compliance and permitted, including all non-res (non-SFR) projects 1 acre or greater	Years 3-5	Dave Fowler, David Peyton
	Continue Single Office review for subdivisions in Austin ETJ and other municipal ETJs with Interlocal Agreements, which includes SWP3 review by the county or municipality.	Record number of projects reviewed, permitted annually per jurisdiction. Austin ETJ Subdivision Projects Reviewed/ Permitted- 39/4 (const review by Austin)	Years 1-5	
Inspection and Enforcement	Develop and implement an inspection and enforcement system for SWP3 requirements, including technical standards, procedures, response protocols; training for inspectors.	Complete Activity Completed SWP3 Inspection Standards Document for Development Permits -Year 2.	Years 1-2	TNR
	Inspect all construction projects 5 ac or greater for SWP3 requirements by Year 3; all 3 ac or greater by Year 4; all Non-SFR projects and SFR over 1 ac by Year 5.	Total inspections and sites inspected annually/% compliant/no. enforced Non-Austin ETJ – 124 projects/ 841 inspections 86% compliance/ 0 legal enforced (All non-res projects 1 acres/greater inspected) Austin ETJ – 40 projects/ 63 inspections/ 61% compliance/ 0 legal enforced	Years 3-5	SWMP: Kemp, Peyton, Randle Dev Sev Inspection

Unscheduled Activities for MCM 4 during the Permit Year:

- TNR Development Services Inspectors performed 278 ESC inspections on 111 Right-of-way permits outside the Austin ETJ, and 97 inspections on miscellaneous development permits inside the Austin ETJ.

Table 5				
MCM 5 – Post-Construction Storm Water Management BMPs Year 5 results shaded in bold				
BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
New BMPs				
Post-Construction Storm Water Management Regulations and Technical Standards	Finalize interim water quality rules for Non-ETJ areas, including adoption of post-construction storm water regulations for subdivision and non-subdivision construction.	Complete activity Completed in Year 5, with final Commissioners Court vote approval on August 14, 2012.	Year 4	TNR Dev. Services
	Revise 1990 Interlocal Agreement with LCRA for Non-ETJ areas subject to the Highland Lakes Watershed Ordinance, including post-construction storm water regulations for subdivision and non-subdivision construction.	Complete activity Activity Completed Year 3	Year 3	NREQ SWMP
	Implement Interlocal Agreements or other mechanisms which include post-construction storm water regulations for subdivisions and non-subdivision construction in municipal ETJs with largest populations.	Complete activity NOC revised completion to Year 4 – Activity completed Year 4	Years 1-3	Tom Weber
	Implement Inter-local Agreements (ILAs) or other mechanisms with SWP3 and Post-Construction requirements for subdivision and non-subdivision construction, for select municipal ETJs, based upon need or to improve efficiency.	Record number of Inter-local Agreements (ILAs) executed each year and the parties to each agreement. Year 3 – executed ILA with LCRA Year 4 – executed ILA with City of Austin	Years 3-5	Dave Fowler
Permit Application and Plan Review	Develop and implement a Permit Checklist review system for 100% of permit applications which includes identification of post-construction storm water regulation requirements.	Complete and implement Checklist. Checklist implemented May 2009 Year 2.	Year 2 5.1.09	TNR
		Require Checklist -100% of permit applications. Total Applications/Total reviewed w/Checklist • Non-Residential – 222 (100%) • Residential-1,824 (100%)	Year 3	Dev. Services
		Document Storm Water Notice compliance on 25% of eligible permit applications by (end of) Yr 2, 50% by Yr 3, 75% Yr 4, 100%Yr 5. Eligible Permits Documented Compliance:100%	Years 2-5	NREQ SWMP
	Develop and implement a plan review system for all projects requiring post-construction storm water BMPs. Review 95% of all projects 5 ac or greater by Year 3; 95% of all 3 ac or greater by Year 4; 95% of all non-single family residential projects (SFR) and SFR over 1 ac by Year 5.	Record number of project plans reviewed, permitted annually. 108 permit applications reviewed by SWMP staff (including 31 in Austin ETJ) for post-construction compliance and permitted, including 100% of non-res (non-SFR) projects 1 acre and greater.	Years 3-5	Dave Fowler, David Peyton
	Continue Single Office review for subdivisions in Austin ETJ and other municipal ETJs with Interlocal Agreements, which includes post-construction storm water regulations review by the county or municipality.	Record number of projects reviewed, permitted annually per jurisdiction. Austin ETJ Subdivision Projects Reviewed/ Permitted- 39/4 (post-construction review by Austin)	Years 1-5	
Post-Construction BMP Inspection and Maintenance	Develop and adopt regulations and other regulatory mechanisms to ensure operation and maintenance of post-construction BMPs in the county MS4. Adopt criteria for BMP maintenance.	Complete Activity Adopted joint County/City of Austin Code Chapter 30 for pond maintenance criteria in the Austin 5-mile ETJ. – Year 3	Year 4 8.12.11	TNR Dev Sev inspection
	Adopt inspection procedures or agreements to ensure BMPs are constructed per plans Inspect all projects 5 ac or greater by Year 3; all 3 ac or greater by Year 4; all Non-SFR projects Year 5.	Total sites inspected annually/ total compliant at final inspection/ total referred to other jurisdiction 109/ 18 / 0 (non-Austin ETJ) All non-res (non-SFR) projects 1 acre and greater inspected	Years 3-5	SWMP: Kemp, Peyton, Randle
	Develop and maintain inventory of new BMPs through the ORI process in BMP 3.3.3 MS4 Map.	See BMP 3.3.3 MS4 Map and Table 3B. On schedule with MS4 Map/ORI	Years 2-5	
	Monitor completed BMPs in the MS4 per adopted criteria. Inspect and conduct follow-up and enforcement with responsible parties as necessary.	Total BMPs inspected/ Total given notice for maintenance required/ Total enforced annually Totals (non-County owned BMPs)- 117/ 0/ 0	Years 2-5	

Unscheduled Activities for MCM 5 during the Permit Year:

Table 6
MCM 6 – Pollution Prevention and Good Housekeeping for County Operations BMPs

Year 5 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
Existing BMPs				
Closed County Landfills	Continue to monitor identified closed County landfills in the MS4 as necessary to maintain compliance with applicable waste and discharge regulations.	Prepare Annual Closed Landfill Status Report for County Auditor. Completed.	Years 1-5	TNR (Keith Coburn)
	Continue to maintain Hwy 290 East Closed Landfill leachate collection and disposal system via contract.	Total gallons of leachate disposed of annually to the Austin waste water system. 5,750,069 gallons	Years 1-5	
Pesticide Applicator Licensing	Continue Non-Commercial Certified Applicator Licensing and CEUs for employees using pesticides and herbicides	Record number annually – road and parks employees certified, re-certified, and taking CEUs Employees Certified/ReCert/CEUs- 24	Years 1-5	TNR (Shaun Auckland)
Environmental Health and Safety (EHS) Program for TNR Facilities	Continue EHS Plans for primary MS4 maintenance facilities, including existing and new required storm water pollution prevention BMPs for this section	Record annual compliance inspections, additional follow-up inspections, and BMP compliance status 4501 RM 620 North (West Service Center) 1 inspection, 81% compliance 6011 Blue Bluff Rd (East Service Center) 1 inspection, 73% compliance	Years 1-5	TNR (Keith Coburn, Chas Williams, Amanda Celo, David Kemp,)
New BMPs				
Good Housekeeping BMPs	Review and revise storm water pollution prevention BMPs for all areas in the existing EHS Plans as necessary.	Complete Activity Completed Year 2	Years 1-2	TNR (Dave Fowler)
	Implement revised BMPs as part of the EHS Plans	Refer to EHS Plans, above	Yrs 2-5	
Employee Training Program	Develop training program including storm water awareness, and procedures and standards for BMPs for the EHS Plans and the MS4 maintenance operations.	Complete Activity Completed Year 2	Years 1-2	TNR (David Peyton, Dave Fowler)
	Implement annual employee training.	Total employees trained annually, including 100% of employees in applicable operations. Performed 4 Annual Storm Water Pollution Prevention Training Sessions: July 11, 17, 25, 26 Parks/Road & Fleet Employees: 45/144 = 199	Years 3-5	
Structural Control Maintenance	Review and revise existing EHS Plans for structural control maintenance as necessary Complete inventory list of all County-owned structural controls associated with County roads, parks, and facilities which require maintenance.	Complete Activity Completed Year 2	Years 1-2	TNR (SWMP: Kemp, Randle, Peyton Fowler) (Road, Park Maint)
	Conduct structural control monitoring and maintenance per EHS Plan and County-owned BMP inventory list.	Total County-owned structural controls inspected/maintained annually County Ponds inspect/maintained – 53/8	Years 2-5	
Waste Management and Disposal	Review and revise existing EHS Plans and County Waste Management Code Chapter 111 as necessary for waste management and disposal BMPs.	Complete Activity. Completed Year 2	Years 1-2	TNR (Fleet, Shaun Auckland) (Rony Aouad Facilities Management, solid waste)
	Implement revised waste management and disposal BMPs as part of the EHS Plans.	Quantities recycled/disposed of annually: Recycled: Waste Oil– 4578 gal Tires – 8071 Antifreeze – 770 gal Oil filters-25 drums Batteries – 547 Solid waste disposal, dumpsters at Sev Centers: ESC- 1248CY WSC- 312CY	Years 2-5	
Erosion and Sediment Control (ESC) Program for Maintenance Construction	Adopt criteria for use of temporary and permanent ESC BMPs on county maintenance construction activities.	Complete Activity Completed Year 2	Years 1-2	TNR (SWMP: Kemp, Randle Peyton) (Road Maintenance)
	Perform ESC BMPs on applicable maintenance construction projects and work orders per criteria	Perform BMPs on 40% of applicable work orders by Year 3, 60% by Year 4, 100% by Year 5 Applicable Work Orders – 59% used permanent ESCs, 26% used temporary ESCs	Years 3-5	

Unscheduled Activities for MCM 6 during the Permit Year:

- SWMP staff assisted 109 Road Maintenance WOs with temp and perm ESC BMPs, 123 total inspections.
- SWMP staff assisted with 16 Parks/BCP erosion control/restoration projects, 28 total inspections.
- NREQ and SWMP staff performed 22 additional EHS inspections of 11 additional County MS4 Facilities.

Table 7
MCM 7 – Authorization for County Construction Activities BMPs
Year 5 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
New BMPs				
Storm Water Pollution Prevention Plan (SWP3) BMPs	Develop SWP3 compliance system to be followed on all County Construction Activities, including technical standards, plan review, and inspection/enforcement	Complete SWP3 Standards Document and implement system Completed Year 1.	Year 1	TNR (Dave Fowler, CIP)
	Review 100% of proposed County construction project plans for compliance with SWP3 Standards	Record number of project plan reviews per year Plan reviews for SWP3 – 16 CSNs issued under MS4 Permit TXR040327 to County projects starting construction within Permit Year - 5	Years 1-5	TNR (SWMP: Fowler, Peyton)
	Inspect 100% of County projects under construction for compliance with SWP3 Standards	Record number of SWP3 inspections and compliance status per project/per year. Total projects (>1ac) under construction- 3 SWP3 Inspection Reports made- 113 SWP3 Inspection Report compliance- 84% SWMP staff- SWP3 audit inspections- 9 SWP3 additional inspections - 24	Years 2-5	TNR (CIP inspection – Dan Scott, et.al.) (SWMP: Kemp, Randle, Peyton)
Post-Construction BMPs	Review 100% of construction plans and permit applications for county projects implementing post-construction BMPs	Record number of plan and/or permit application reviews on applicable projects per year. Plan reviews for post-construction storm water-16	Years 1-5	TNR (Fowler, Peyton; CIP project managers)
	Ensure 100% of county projects implementing post-construction BMPs are constructed per plans.	Record number of final inspections for post-construction BMPs on applicable projects per year. Total projects w/permanent BMPs completing final inspections – 1 (2 projects total were final inspected)	Years 2-5	TNR (CIP inspection- Dan Scott, et.al.) (SWMP: Kemp, Randle, Peyton)
	Ensure newly constructed BMPs and drainage structures on County projects are documented through the ORI process described in BMP 3.3.3 MS4 Map.	See BMP 3.3.3 MS4 Map and Table 3B in MCM 3. All accepted County BMPs and drainage structures added to MS4 Geodatabase and BMP list per MCM 3	Years 2-5	TNR (Amanda Celo, David Kemp, David Peyton, Arester Randle)

Unscheduled Activities for MCM 7 during the Permit Year:

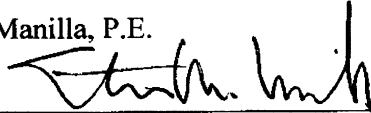
E. Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on the inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Steven M. Manilla, P.E.

Title: County Executive

Signature/Date:



11/8/12

Attachments - Public Education Materials (following this Sheet)

- **TCTV Water Quality Programming Summary Descriptions, Year 5 (Pages 17, 18)**
- **TCTV Water Quality Programming Broadcasts, Monthly Breakdown, Year 5 (Pages 19-21)**
- **Watershed Sign Installation Locations and Quantities, Year 5 (Page 22)**

TCTV Water Quality Programming Summary Descriptions, Year 5:

Weather Channel/ EPA Video:

- **After the Storm (28:00)**- Three case studies focus on the interconnections between our water supplies, water quality, and the economic vitality and quality of life in our communities.

LCRA Videos:

- **Pointless Pollution: America's Water Crisis (27:40)** – ½ hour documentary hosted by Walter Cronkite on the problems posed to the nation's water supply by nonpoint-source pollution. One segment includes Lake Travis.
- **A Run Unto the Sea: The Adventures of the Abilene Boys (56:51)** – 1 hour documentary hosted by Walter Cronkite on 'The Abilene Boys', 3 retired men who recreated in 1990 a canoe trip they had taken down the Colorado River in the 30's.
- **The Water Never Got This High Before (12:10)** – A look at the Colorado River's historical tendency for catastrophic floods.
- **Clean Water: It Starts With You (12:15)** – Tips on how you can reduce the amount of pollution in storm water runoff.
- **Ready for the Next Flood (17:00)** – An inside look at LCRA's flood-management operations.
- **Blind Man's Vision (4:53)** – A brief look at Adam Johnson, who conceived the idea for what would become Buchanan Dam.
- **Innovative Storm Water Runoff Practices (7:00)** – Examines innovative storm water runoff practices.

City of Austin Videos:

- **Austin Underground (4 chapters totaling 26:43)** - Designed to provide viewers with a 'virtual field trip' into the Barton Springs Edwards Aquifer.
 - o **Geology (8:03)** - Explores the passage of water over land to the recharge zone into critical environmental features including fractures, sinkholes, and caves. It also examines the dissolution of karst limestone.
 - o **Hydrogeology (5:24)** - Explores the underground flow of water through the cave/aquifer system by means of dye trace studies, and the re-emergence of groundwater at local springs, particularly Barton Springs.
 - o **Salamander (4:18)** - Studies the aquifer and the springs as a habitat for aquatic species, including the Austin Blind Salamander and the endangered Barton Springs Salamander.
 - o **Threats/ Solutions (8:58)** - Explores threats to the aquifer (non-point source pollution).

Texas Parks & Wildlife Videos:

- **Texas, The State of Water (58:00)** – Examines the present state of Texas' water sources (aquifers, rivers, and bays), and the growing demand put on those sources.
- **Texas, The State of Water: Finding a Balance (56:46)** – Explores the growing demand for water, the impact that growth will have on Texas, and how the steps we take will impact Texas' people, wildlife and economic vitality.
 - o **Dealing with the Drought (Special Feature) (11:49)** – How Corpus Christi is working to secure water for the future.

- **Prescription to Burn** (Special Feature) (9:20) – Examining fire as an important tool to manage and restore natural landscapes.
- **Diggin’ School** (Special Feature) (9:00) – School children learn to construct a ‘Wildscape’ using native plants that require little watering.
- **Forests of the River Bottom** (Special Feature) (14:49) – Examination of how natural flooding cycles are an integral part of the bottomland hardwood forests.
- **Texas, The State of Flowing Water** (57:00) – Explores the importance of water for people and wildlife, examines the threat facing Texas’ water and how to protect it, and outlines steps people can take to avoid water shortages.
- **Texas, The State of Springs** (58:00) - Explores the decline of Texas’ natural springs, issues that effect spring flow, and what can be done to save these resources.
 - **In Land We Trust** (Special Feature) (10:25) – The growing land trust movement offers new hope for threatened farm and ranch lands.
 - **Policing Pollution** (Special Feature) (9:39) – Game wardens work to keep our water and air clean.
 - **Last of the Bayous** (Special Feature) (9:45) – Chronicles the natural beauty of the Clear Creek area and its ecological significance.
 - **Restoring Galveston Bay** (Special Feature) (8:25) – Challenges of reversing damage inflicted on Galveston Bay and its marshes.

Water Education Foundation Video:

- **Storm Water Management- Turning Runoff into a Resource** (20:00) – Explains the problem with polluted storm water, and steps that can be taken to prevent such pollution and turn it into a water resource.

City of Austin Public Broadcast Announcements:

- **Grow Green Program**
 - Watershed Protection (00:00:15)
 - Jamboree TV (00:00:15)
 - Dan D. Lion TV (00:00:15)
 - Professor Dung Beetle TV (00:00:15)
- **Scoop the Poop** (00:00:30)

Monthly Breakdown of TCTV Broadcasts, Year 5:

August 2011 (13th-31st):

Total number of individual long topics broadcast- 109
Total number of individual short public broadcast announcements- 236
Total number of all programs broadcast- 345
Total hours broadcast for week3- 3:54:24
Total hours broadcast for week4- 7:33:19
Total hours broadcast for week5- 13:14:07
Total hours broadcast for week6- 1:48:44
Total hours broadcast- 26:30:34

September 2011:

Total number of individual long topics broadcast- 136
Total number of individual short public broadcast announcements- 309
Total number of all programs broadcast- 445
Total hours broadcast for week1- 10:29:33
Total hours broadcast for week2- 6:52:25
Total hours broadcast for week3- 11:41:13
Total hours broadcast for week4- 10:42:24
Total hours broadcast for week5- 7:05:13
Total hours broadcast- 46:50:48

October 2011:

Total number of individual long topics broadcast- 114
Total number of individual short public broadcast announcements- 669
Total number of all programs broadcast- 783
Total hours broadcast for week1- 5:59:54
Total hours broadcast for week2- 11:36:28
Total hours broadcast for week3- 14:15:54
Total hours broadcast for week4- 8:08:06
Total hours broadcast for week5- 12:11:33
Total hours broadcast- 52:11:55

November 2011:

Total number of individual long topics broadcast- 177
Total number of individual short public broadcast announcements- 919
Total number of all programs broadcast- 1096
Total hours broadcast for week1- 0:00:45
Total hours broadcast for week2- 10:11:17
Total hours broadcast for week3- 9:22:15
Total hours broadcast for week4- 12:40:18
Total hours broadcast for week5- 10:57:30
Total hours broadcast for week6- 2:00:18
Total hours broadcast- 45:12:23

December 2011:

Total number of individual long topics broadcast- 116
Total number of individual short public broadcast announcements- 835
Total number of all programs broadcast- 951

Total hours broadcast for week1- 19:01:51
Total hours broadcast for week2- 11:11:44
Total hours broadcast for week3- 12:38:14
Total hours broadcast for week4- 11:21:24
Total hours broadcast for week5- 10:01:35
Total hours broadcast- 64:14:48

January 2012:

Total number of individual long topics broadcast- 166
Total number of individual short public broadcast announcements- 696
Total number of all programs broadcast- 862
Total hours broadcast for week1- 3:02:51
Total hours broadcast for week2- 17:06:08
Total hours broadcast for week3- 12:46:08
Total hours broadcast for week4- 7:52:57
Total hours broadcast for week5- 14:00:50
Total hours broadcast- 54:48:54

February 2012:

Total number of individual long topics broadcast- 180
Total number of individual short public broadcast announcements- 714
Total number of all programs broadcast- 894
Total hours broadcast for week1- 13:53:59
Total hours broadcast for week2- 15:47:54
Total hours broadcast for week3- 13:03:37
Total hours broadcast for week4- 11:54:37
Total hours broadcast for week5- 1:59:12
Total hours broadcast- 56:39:19

March 2012:

Total number of individual long topics broadcast- 150
Total number of individual short public broadcast announcements- 829
Total number of all programs broadcast- 979
Total hours broadcast for week1- 9:55:30
Total hours broadcast for week2- 9:56:20
Total hours broadcast for week3- 13:18:07
Total hours broadcast for week4- 15:59:29
Total hours broadcast for week5- 5:53:00
Total hours broadcast- 55:02:26

April 2012:

Total number of individual long topics broadcast- 148
Total number of individual short public broadcast announcements- 838
Total number of all programs broadcast- 986
Total hours broadcast for week1- 2:21:12
Total hours broadcast for week2- 11:11:05
Total hours broadcast for week3- 15:45:00
Total hours broadcast for week4- 14:09:16
Total hours broadcast for week5- 13:10:52
Total hours broadcast- 56:37:25

May 2012:

Total number of individual long topics broadcast- 126
Total number of individual short public broadcast announcements- 668
Total number of all programs broadcast- 794
Total hours broadcast for week1- 1:03:19
Total hours broadcast for week2- 12:20:44
Total hours broadcast for week3- 11:55:42
Total hours broadcast for week4- 6:05:42
Total hours broadcast for week5- 11:05:59
Total hours broadcast for week6- 5:44:39
Total hours broadcast- 48:16:05

June 2012:

Total number of individual long topics broadcast- 206
Total number of individual short public broadcast announcements- 941
Total number of all programs broadcast- 1147
Total hours broadcast for week1- 8:06:56
Total hours broadcast for week2- 7:47:09
Total hours broadcast for week3- 13:10:40
Total hours broadcast for week4- 18:42:55
Total hours broadcast for week5- 7:00:33
Total hours broadcast- 54:48:13

July 2012:

Total number of individual long topics broadcast- 83
Total number of individual short public broadcast announcements- 620
Total number of all programs broadcast- 703
Total hours broadcast for week1- 3:59:31
Total hours broadcast for week2- 12:47:57
Total hours broadcast for week3- 13:07:38
Total hours broadcast for week4- 12:02:43
Total hours broadcast for week5- 13:07:56
Total hours broadcast- 55:05:45

August 2012 (1-12th):

Total number of individual long topics broadcast- 47
Total number of individual short public broadcast announcements- 112
Total number of all programs broadcast- 159
Total hours broadcast for week1- 15:39:34
Total hours broadcast for week2- 0:01:30
Total hours broadcast- 15:41:04

Watershed Signs installed in Travis County MS4, Year 5

Total number of locations and signs installed- 5 locations, 9 signs installed.

- 1. Old Lockhart Hwy Site 1- 2 signs installed**
- 2. Old Lockhart Hwy Site 2- 1 sign installed (1 existing installed by CoA)**
- 3. Bliss Spillar Road- 2 signs installed**
- 4. Dessau Road- 2 signs installed**
- 5. Wells Branch Parkway 1- 2 signs installed**